

SOCS2 Rabbit mAb

Catalog # AP76107

Product Information

Application	WB, IP
Primary Accession	O14508
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	22172

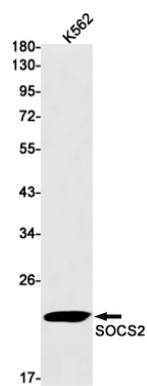
Additional Information

Gene ID	8835
Other Names	SOCS2
Dilution	WB~~1/500-1/1000 IP~~N/A
Format	Liquid

Protein Information

Name	SOCS2 {ECO:0000303 PubMed:10512686, ECO:0000312 HGNC:HGNC:19382}
Function	<p>Substrate-recognition component of a cullin-5-RING E3 ubiquitin-protein ligase complex (ECS complex, also named CRL5 complex), which mediates the ubiquitination and subsequent proteasomal degradation of target proteins, such as EPOR and GHR (PubMed:11781573, PubMed:21980433, PubMed:25505247, PubMed:31182716, PubMed:34857742). Specifically recognizes and binds phosphorylated proteins via its SH2 domain, promoting their ubiquitination (PubMed:21980433, PubMed:25505247, PubMed:31182716, PubMed:34857742, PubMed:37816714). The ECS(SOCS2) complex acts as a key regulator of growth hormone receptor (GHR) levels by mediating ubiquitination and degradation of GHR, following GHR phosphorylation by JAK2 (PubMed:21980433, PubMed:25505247, PubMed:34857742). The ECS(SOCS2) also catalyzes ubiquitination and degradation of JAK2-phosphorylated EPOR (PubMed:11781573).</p>
Cellular Location	Cytoplasm.
Tissue Location	High expression in heart, placenta, lung, kidney and prostate. Predominantly expressed in pulmonary epithelia cells, specifically type II pneumocytes.

Images



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